

WHAT IS CLAIMED IS:

1. A scheduling apparatus which creates a schedule for a base station apparatus to transmit packet data on a common channel to one or more communication partners,
5 said scheduling apparatus comprising:
a detecting section that detects changes in corresponding transmission path conditions; and
a scheduling section that determines order in which to transmit packet data based on the changes in said
10 transmission path conditions.
2. The scheduling apparatus according to claim 1, wherein said scheduling section determines an order at which to transmit packet data to be retransmitted, from a
15 corresponding transmission path condition.
3. The scheduling apparatus according to claim 2, wherein said scheduling section determines an order at which to transmit packet data to be retransmitted within
20 a specified time.
4. The scheduling apparatus according to claim 1, wherein said scheduling section creates a schedule to transmit packet data earlier to a communication partner
25 whose transmission path condition changes rapidly and later to a communication partner whose transmission path condition changes slowly.

5. The scheduling apparatus according to claim 1,
wherein said scheduling section does not take into
account change in a transmission path condition when
determining order in which to transmit packet data if the
5 change in the transmission path condition is more rapid
than a predetermined speed.

6. The scheduling apparatus according to claim 1,
wherein said detecting section detects change in a
10 transmission path condition by measuring a Fading Doppler
frequency.

7. The scheduling apparatus according to claim 1,
wherein said detecting section detects change in a
15 transmission path condition by measuring change in
receive quality of a signal transmitted from a
communication partner.

8. A control station apparatus comprising:
20 a scheduling apparatus according to claim 1; and
a transmit section that transmits packet data
according to a schedule created by said scheduling
apparatus.

25 9. A base station apparatus comprising:
a scheduling apparatus according to claim 1; and
a transmit section that transmits packet data
according to a schedule created by said scheduling

apparatus.

10. A communication system comprising:
a scheduling apparatus according to claim 1.

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11. A schedule creating method which creates a
schedule for a base station apparatus to transmit packet
data on a common channel to one or more communication
partners, said method comprising:

10 detecting changes in corresponding transmission path
conditions;

 determining order in which to transmit packet data
based on the changes in said transmission path
conditions; and

15 transmitting the packet data according to said
transmit order.